Health Canada Santé Canada

Your health and safety... our priority. *Votre santé et votre sécurité... notre priorité.*

Proposed Maximum Residue Limit PMRL2012-05

Penthiopyrad

(publié aussi en français)

6 March 2012

This document is published by the Health Canada Pest Management Regulatory Agency. For further information, please contact:

Publications
Pest Management Regulatory Agency
Health Canada
2720 Riverside Drive
A.L. 6604-E2
Ottawa, Ontario K1A 0K9
K1A 0K9

Internet: pmra.publications@hc-sc.gc.ca
healthcanada.gc.ca/pmra
Facsimile: 613-736-3758
Information Service:
1-800-267-6315 or 613-736-3799
pmra.infoserv@hc-sc.gc.ca

Canada

ISSN: 1925-0835 (print)
1925-0843 (online)

Catalogue number: H113-24/2012-5E (print version)
H113-24/2012-5E-PDF (PDF version)

© Her Majesty the Queen in Right of Canada, represented by the Minister of Health Canada, 2012

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of the Minister of Public Works and Government Services Canada, Ottawa, Ontario K1A 0S5.

Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) has received applications to register technical grade penthiopyrad and the end-use products Fontelis Fungicide, Vertisan Fungicide and Treoris Fungicide for use in Canada on various commodities.

The evaluation of these penthiopyrad applications indicated that the end-use products have merit and value and the human health and environmental risks associated with its proposed uses are acceptable. Details regarding these applications can be found in Proposed Registration Decision PRD2011-26, *Penthiopyrad*, posted to the Health Canada website on 23 December 2011.

Before registering a pesticide for food use in Canada, the PMRA must determine the quantity of residues that are likely to remain in or on the food when the pesticide is used according to label directions and that such residues will not be a concern to human health. This quantity is then legally established as a maximum residue limit (MRL). An MRL applies to the identified raw agricultural food commodity as well as to any processed food product that contains it, except where separate MRLs are specified for the raw agricultural commodity and a processed product made from it.

Consultation on the proposed MRLs for penthiopyrad was conducted domestically via PRD2011-26. Information regarding the proposed MRLs was found in Sections 3.5.4 and 7.1 and Appendix II addressed the international situation and trade implications. Field trial residue data supporting the proposed MRLs were provided in Appendix I, Table 9.

To comply with Canada's international trade obligations, consultation on the proposed MRLs is also being conducted internationally by notifying the World Trade Organization, as coordinated by the Standards Council of Canada.

The proposed MRLs for penthiopyrad in Canada in or on food are as follows.

Table 1 Proposed Maximum Residue Limits for Penthiopyrad

Common Name	Residue Definition	MRL (ppm)	Food Commodity
Penthiopyrad	*N*-[2-(1,3-dimethylbutyl)-3-thienyl]-1-methyl-3-(trifluoromethyl)-1*H*-pyrazole-4-carboxamide	50	Leaves of root and tuber vegetables (Crop Group 2), leafy Brassica greens (Crop Subgroup 5B)
		30	Leafy vegetables (Crop Group 4)
		5.0	Head and stem Brassica (Crop Subgroup 5A)
		4.0	Edible-podded legume vegetables (Crop Subgroup 6A), stone fruits (Crop Group 12-09)
		3.5	Tomato paste
		3.0	Root vegetables, except sugar beets (Crop Subgroup 1B), bulb vegetables (Crop Group 3-07), fruiting vegetables (Crop Group 8-09), low growing berries (Crop Subgroup 13-07G)
		1.5	Oil seeds (Crop Group 20)
		0.9	Barley bran
		0.8	Pearl millet, proso millet, sorghum
		0.6	Cucurbit vegetables (Crop Group 9)
		0.5	Pome fruits (Crop Group 11-09), sugar beet roots
		0.4	Succulent shelled pea and bean (Crop Subgroup 6B), dried shelled pea and bean, except soybean (Crop Subgroup 6C), dry soybeans
		0.3	Wheat bran, wheat germ
		0.15	Cereal grains (Crop Group 15; except corn, millet and sorghum)
		0.06	Tuberous and corm vegetables (Crop Subgroup 1C), tree nuts (Crop Group 14-11), peanut oil
		0.05	Corn oil
		0.04	Peanuts
		0.01	Field corn, popcorn grain, sweet corn kernels plus cob with husks removed
	N-[2-(1,3-dimethylbutyl)-3-thienyl]-1-methyl-3-(trifluoromethyl)-1*H*-pyrazole-4-carboxamide, including the metabolite 1-methyl-3- (trifluoromethyl)-1*H*-pyrazole-4-carboxamide	0.09	Meat byproducts of cattle, goats, horses and sheep
		0.03	Meat and fat of cattle, goats, horses and sheep
		0.02	Eggs; fat, meat and meat byproducts of hogs and poultry; milk

MRLs are proposed for each commodity included in the listed crop groupings in accordance with the Residue Chemistry Crop Groups webpage in the Pesticides and Pest Management section of Health Canada's website.

A complete list of all pesticide MRLs established in Canada can be found on the Maximum Residue Limits for Pesticides webpage in the Pesticides and Pest Management section of Health Canada's website.

International Situation and Trade Implications

Penthiopyrad is a new active ingredient which is concurrently being registered in Canada and the United States. The MRLs proposed for penthiopyrad in Canada are the same as corresponding American tolerances to be promulgated, except tolerances will not be established for poultry and hog commodities. Once established, the American tolerances for penthiopyrad will be listed in the Electronic Code of Federal Regulations, 40 CFR Part 180.

Currently, there are no Codex MRLs[1] listed for penthiopyrad in or on any commodity on the Codex Alimentarius Pesticide Residues in Food and Feed webpage.

Table 2 Comparison of Canadian MRLs and American Tolerances (where different)

Food Commodity	Canadian MRL (ppm)	American Tolerance (ppm)
Eggs; fat, meat and meat byproducts of hogs and poultry	0.02	Not to be established

[1] The Codex Alimentarius Commission is an international organization under the auspices of the United Nations that develops international food standards, including MRLs.